ABSTRACT

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MICROBIAL POLYNUCLEOTIDES EXPRESSED

DURING INFECTION OF A HOST

The invention provides methods useful for identifying polynucleotides expressed *in vivo* by a microbe during infection of a host. Antibodies against antigens that are expressed by the microbe *in vivo* and *in vitro* are adsorbed with cells or cellular extracts of the microbe that have been grown *in vitro*. Unadsorbed antibodies are isolated and are probed against a phage display library of the microbe's DNA or RNA. A polynucleotide of the microbe that is expressed *in vivo* is isolated and identified.